

## REMARKS

The election of species is with traverse.

The only differences between the five embodiments is the manner in which the chips 2,3 are connected to the substrate 1 and thermally conductive portion 4. Although it is not obvious to provide a thermally conductive layer, chip, and substrate structure, as recited in claim 1, the differences in the ways that the chips of Figs. 1-5 are connected to the substrate (by either adhesive or conductive bumps), and in which the thermally conductive layer is connected to the chips (also by either thermal adhesive or conductive bumps), are believed to be obvious.

In particular, in the embodiment of Fig. 1A, the chips are connected to the thermally conductive portion 4 by a thermal adhesive 7, and to the substrate by bumps 6 and an underfill 8. In the embodiments of Fig. 2, the chips are connected to the thermally conductive layer *and* substrate by thermal adhesive, while the embodiment of Fig. 3 inserts dummy chips between the thermally conductive layer and chips, the embodiment of Fig. 4 adds conductive bumps, and the embodiment of Fig. 5 adds protrusions to the thermally conductive layer.

All embodiments share the thermal layer 4, chips 2, 3, and substrate, differing only in the connecting means (adhesive vs “bumps”). As a result, withdrawal of the restriction requirement with respect to each of the identified species is respectfully requested.

Nevertheless, should the restriction requirement be maintained, the Applicant reserves the right to submit claims to non-elected species in a divisional application.

Having thus complied with the restriction requirement, early and favorable action on the merits is requested.

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Respectfully submitted,

BACON & THOMAS, PLLC

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